

# Modernize ndn-js

- ndn-js: JavaScript client library for Named Data Networking.
  - NodeJS: works reasonably well.
  - Browser: written in 2013, not kept up with rapidly evolving JavaScript ecosystem.
- This project: make ndn-js integrate well in a modern JavaScript project.
  - Replace Waf build process with a **bundler** such as Brunch or Webpack.
    - `require("ndn-js")` should work in web application.
    - Dependencies should come from NPM, not contrib/ folder.
  - Provide **TypeScript declaration** file.
    - This enables type checking of ndn-js APIs in a TypeScript project.
  - Add **Promise**-based APIs as an alternative to callback-based APIs.
- Requirement: can write JavaScript.